

### Abstract

The invention relates to a static electricity eliminator comprising at least one nozzle having a body defining a supersonic tuyere (14) for pressure reduction of a compressed gas, a corona tip (36) located close to the neck (40) of the tuyere and an electric supply circuit (32) connected to the tip of the corona. The latter consists of a surgical needle made of steel with chrome. The tip (38) thereof has a diameter of less than 30 micrometers. The eliminator is used to improve the treatment of polymers.